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MACHINE TOOLS FOR AIRCRAFT PRODUCTION

The following are three abstracts prepared by Stanki i Instrument.

HIGH-SPEED MILLING OF STEEL INTRODUCED -- Aviatsionnaya Promyshlennost', No 1, 1948

Gives examples of the introduction of high-speed milling for various Cromansil parts on Type 615 vertical milling machines -- undercarriage suspension, hardened inclined strut, etc. Describes cutters used, their geometry, and machining routine adopted. Discusses durability of cutters and saving of machining time which can be achieved. -- M. D. Mercozcr

ATTACHMENT FOR CONTINUOUS MILLING OF STRIPS DEVISED -- Aviatsionnaya Promyshlennost', No 2, 1948

Describes a special attachment for milling pressed strips made of DIT material. Strips are 5 - 6 meters long and are used for making chamfered packing pieces for longeron strakes. The attachment is set up on a horizontal milling machine and is kinematically connected with the driving screw of the table, thus enabling the angle of inclination of the surface being milled to be altered. The saving of time on one part is 5 hours.

HIGH-CAPACITY MACHINE TOOLS VALUABLE IN AIRCRAFT PART MANUFACTURE -- Aviatsionnaya Promyshlennost', No 3, 1948

Describes multiple boring mills for machining such parts as frames, bodies and wings. Describes two types of multiple heads and an attachment for holding parts. Describes multispindle drilling machines. Gives examples of machining parts on these machines. Explains saving in man-hours compared with universal machines, simplification of technical process, assurance of high accuracy, and interchangeability of parts machined.

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